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APPLICATION N	D .	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/502,139		07/19/2004	Izuo Hirota	36714	1547
116	7590	07/01/2005		EXAM	INER
PEARNE	& GORE	OON LLP	VAN, QUANG T		
1801 EAS SUITE 12	T 9TH STI 00	REET	ART UNIT	PAPER NUMBER	
CLEVELAND, OH 44114-3108				3742	
				DATE MAIL ED: 07/01/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)					
Office Action Summary	10/502,139	HIROTA ET AL.					
	Examiner	Art Unit					
The MANIANC DATE of this communication com	Quang T. Van	3742					
The MAILING DATE of this communication app Period for Reply	lears on the cover sheet with the	ne correspondence address					
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1: after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period v - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply to within the statutory minimum of thirty (30) will apply and will expire SIX (6) MONTHS, cause the application to become ABAND	be timely filed) days will be considered timely. from the mailing date of this communication. ONED (35 U.S.C. § 133).					
Status							
2a) ☐ This action is FINAL . 2b) ☐ This 3) ☑ Since this application is in condition for alloward							
Disposition of Claims							
 4) Claim(s) 1-35 is/are pending in the application 4a) Of the above claim(s) is/are withdray 5) Claim(s) 15-35 is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) 1-14 is/are objected to. 8) Claim(s) are subject to restriction and/o 	wn from consideration.						
Application Papers							
9) ☑ The specification is objected to by the Examine 10) ☑ The drawing(s) filed on 19 July 2004 is/are: a) ☐ Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) ☐ The oath or declaration is objected to by the Example 11.	☑ accepted or b)☐ objected drawing(s) be held in abeyance. tion is required if the drawing(s) is	See 37 CFR 1.85(a). s objected to. See 37 CFR 1.121(d).					
Priority under 35 U.S.C. § 119	• .						
12) ☒ Acknowledgment is made of a claim for foreign a) ☒ All b) ☐ Some * c) ☐ None of: 1. ☒ Certified copies of the priority document 2. ☐ Certified copies of the priority document 3. ☐ Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Appli rity documents have been rec u (PCT Rule 17.2(a)).	cation No eived in this National Stage					
Attachment(s)							
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 7/19/04.		nary (PTO-413) ail Date nal Patent Application (PTO-152)					

QUAYLE ACTION

This application is in condition for allowance except for the following formal matters:

Specification

1. The abstract of the disclosure is objected to because the legal phraseology such as "means" or "comprises" or "comprising" often used in patent claims should be avoided in the abstract. Further, the abstract is also objected because it contains more than 150 words. Correction is required. See MPEP § 608.01(b).

Claim Objections

2. The claims 1-14 are objected to because the term "(hereinafter: object)" recited in claim 1, line 4 should not be in the claim. Correction is required.

Allowable Subject Matter

- 3. Claims 15-35 are allowed.
- 4. Claims 1-14 are allowed if overcome the above objections.
- 5. The following is a statement of reasons for the indication of allowable subject matter: the prior art of record does not show or suggest a first movement detection section for detecting a movement of said object, and a storage section for storing a control value output by said control section or an output value of said output detection before said first movement detection section detects the movement of said object as recited in claims 1-14; a control section for controlling the output of said inverter, and a movement detection section which detects a state of operation of said inverter or a state of said object until the output of said induction heating coil increases gradually from a

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low output to a predetermined output to detect a movement of said object as recited in claims 15-22; a movement detection section for detecting a movement of said object. and a control section which controls the output of said inverter circuit, and when said movement detection section detects a movement of said object, performs the limiting operation to stop or limit the output of said inverter circuit wherein according to the settings at said input section, the detection sensitivity of said movement detection section is decreased or the detection thereof is stopped, or said limiting operation of said control section is weakened or is not performed as recited in claims 23-29; a control section for controlling the output of said inverter circuit in response to the output of said output detection section and the output of said movement detection section, and a movement detection stop input section for inputting a stop command to stop the detection operation of said movement detection section or to make said control section stop controlling the output in response to the output of said movement detection section as recited in claims 30-32; a control section for controlling the output of said inverter circuit in response to the output of said output detection section and the output of said movement detection section, and an output fixation input section for inputting an output fixation command, wherein when said output fixation command is input, said control section fixes the output of said inverter circuit regardless of whether said object has moved or not as recited in claims 32-35.

Prosecution on the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.

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A shortened statutory period for reply to this action is set to expire **TWO**MONTHS from the mailing date of this letter.

- 6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: Aoki (US 4,900,884) discloses a composite cooking system having microwave heating and induction heating. Komuro et al (US 6,505,675) discloses a molten metal pouring time determining apparatus. Takagi et al (US 6,900,419) discloses a fixing apparatus.
- 7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Quang T. Van whose telephone number is 571-272-4789. The examiner can normally be reached on 8:00Am 7:00Pm M-Th.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robin Evans can be reached on 571-272-4777. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

QV QV

June 23, 2005

Quang T Van

Primary Examiner

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